## In the Claims

This listing of claims will replace all prior versions, and listings, of claims.

## **Listing of Claims**

1. (Original) A mesoporous silica/fluorinated polymer composite material, comprising:

10 to 70 parts by weight of hydrophobic modified mesoporous silica having a pore size of 0.1 to 50nm, and

30 to 90 parts by weight of fluorinated polymer.

- 2. (Original) The composite material as claimed in claim 1, wherein the surface of the hydrophobic modified mesoporous silica is chemically hydrophobically modified.
- 3. (Original) The composite material as claimed in claim 2, wherein the surface of the hydrophobic modified mesoporous silica is chemically bonded to a hydrophobic modifier.
- 4. (Original) The composite material as claimed in claim 3, wherein the hydrophobic modifier is hydrophobic silane, halosilane, halosilane, or a combination thereof.
- 5. (Original) The composite material as claimed in claim 1, wherein the surface of the hydrophobic modified mesoporous silica is physically hydrophobically modified.

- 6. (Original) The composite material as claimed in claim 5, wherein the hydrophobic modified mesoporous silica is coated with a hydrophobic modifier.
- 7. (Original) The composite material as claimed in claim 6, wherein the hydrophobic modifier is silane, halosilane, halosilane, or a combination thereof.
- 8. (Original) The composite material as claimed in claim 7, wherein the silane is p-chlorotolyl trimethoxy silane, amino ethyl amino trimethoxy silane, phenyl trimethoxy silane, amino ethyl amino propyl trimethoxy silane, 3,3,3-trifluoropropyltrimethoxysilane), or a combination thereof.
- 9. (Original) The composite material as claimed in claim 1, wherein the fluorinated polymer is polytetrafluoroethylene, polyhexafluoropropene, tetrafluoroethylene-hexafluoropropene copolymer, alkoxy fluoroethylene copolymer, ethylene-tetrafluoroethylene copolymer, or a combination thereof.
- 10. (Original) The composite material as claimed in claim 1, wherein the pore of the hydrophobic modified mesoporous silica is square or hexagonal.
- 11. (Original) The composite material as claimed in claim 10, wherein the pore of the hydrophobic modified mesoporous silica is regularly arranged.

- 12. (Original) The composite material as claimed in claim 10, wherein the pore of the hydrophobic modified mesoporous silica is irregularly arranged.
- 13. (Original) The composite material as claimed in claim 1, wherein the hydrophobic modified mesoporous silica is granular.
- 14. (Original) The composite material as claimed in claim 1, wherein the hydrophobic modified mesoporous silica is fibrous.
- 15. (Original) A mesoporous silica/fluorinated polymer composite material, comprising hydrophobic modified mesoporous silica having a pore size of 0.1 to 50nm and fluorinated polymer in proportion such that the mesoporous silica/fluorinated polymer composite material has dielectric constant, dissipation factor, and coefficient of thermal expansion less than 4, 0.04, and 60ppm/°C, respectively.
- 16. (Original) The composite material as claimed in claim 15, wherein the surface of the hydrophobic modified mesoporous silica is chemically hydrophobically modified.
- 17. (Original) The composite material as claimed in claim 16, wherein the surface of the hydrophobic modified mesoporous silica is chemically bonded to a hydrophobic modifier.

- 18. (Original) The composite material as claimed in claim 17, wherein the hydrophobic modifier is hydrophobic silane, halosilane, halosilane, or a combination thereof.
- 19. (Original) The composite material as claimed in claim 15, wherein the surface of the hydrophobic modified mesoporous silica is physically hydrophobically modified.
- 20. (Original) The composite material as claimed in claim 19, wherein the hydrophobic modified mesoporous silica is coated with a hydrophobic modifier.
- 21. (Original) The composite material as claimed in claim 20, wherein the hydrophobic modifier is silane, halosilane, haloalkane, or a combination thereof.
- 22. (Original) The composite material as claimed in claim 21, wherein the silane is p-chlorotolyl trimethoxy silane, amino ethyl amino trimethoxy silane, phenyl trimethoxy silane, amino ethyl amino propyl trimethoxy silane, 3,3,3-trifluoropropyltrimethoxysilane, or a combination thereof.
- 23. (Original) The composite material as claimed in claim 15, wherein the fluorinated polymer is polytetrafluoroethylene, polyhexafluoropropene, tetrafluoroethylene-hexafluoropropene copolymer, alkoxy fluoroethylene copolymer, ethylene-tetrafluoroethylene copolymer, or a combination thereof.

- 24. (Original) The composite material as claimed in claim 15, wherein the pore of the hydrophobic modified mesoporous silica is square or hexagonal.
- 25. (Original) The composite material as claimed in claim 24, wherein the pore of the hydrophobic modified mesoporous silica is regularly arranged.
- 26. (Original) The composite material as claimed in claim 24, wherein the pore of the hydrophobic modified mesoporous silica is irregularly arranged.
- 27. (Original) The composite material as claimed in claim 15, wherein the hydrophobic modified mesoporous silica is granular.
- 28. (Original) The composite material as claimed in claim 15, wherein the hydrophobic modified mesoporous silica is fibrous.